

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 07-251043

(43) Date of publication of application : 03.10.1995

(51) Int.Cl.

B01D 65/02

B01D 63/02

B01D 63/08

C02F 1/44

(21) Application number : 07-012947

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(22) Date of filing : 30.01.1995

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(30) Priority

Priority number : 06 8732 Priority date : 28.01.1994 Priority country : JP

(54) FILTERING METHOD AND FILTER DEVICE

(57) Abstract:

PURPOSE: To efficiently peel the layer of matter to be filtered deposited on the surface of a separation membrane by supplying a predetermined amt. of air to mix the same with a raw soln. to form air bubble streams along the separation membrane.

CONSTITUTION: In a filter device 3, a plurality of plate-shaped membranes 4 are vertically arranged so as to be spaced apart from each other and the suction pipe 6 connected to a pump 5 is connected to the upper end parts of the membranes 4 and a first air diffusion pipes 7 are arranged under the membranes 4 while a second air diffusion pipe 8 is provided on the lateral side of the lower ends of the membranes 4. The first air diffusion pipe 7 forms air bubble streams along the surfaces of the membranes 4 and the second air diffusion pipe 8 applies vibration and an impact to the

